

Recessed luminaire - Micro-prismatic diffuser - direct distribution

Sheet steel housing suitable for ceilings with visible T-rails; protection rating refers to visible luminaire surface; Housing colour traffic white RAL 9016; Direct light distribution using microprismatic glass, for workstations, $65^\circ < 3000 \text{ cd/m}^2$ omnidirectional glare suppression according to current DIN EN 12464-1 standard; Electrical connection and connection of control cable using 5-pole connection terminal with plug-in contacts. Luminaire in tunable white technology for Human Centric Lighting. Controls must be ordered separately, on request depending on application. Luminaire with Tunable White continuously adjustable colour temperatures, for implementing human-centric daylight simulations (HCL).

CHARACTERISTICS

Order number	72205066950
EAN number	4020863329816
Commodity code	94051190
Certification mark	IP 54/20, Protection class I, VDU 65° < 3000, F, F-“roof” mark, HACCP DIN10500/Food/IFS/BRC, HCL, Indoor, CE
Impact resistance (IK rating)	IK03
Ambient temperatur	ta 25°C
Special properties	Ready for IoT
Warranty period	5 years
State funding programs	BEG - Federal funding for efficient buildings (valid only for Germany)

ELECTRICAL ENGINEERING

Controller	Electronic driver DALI device type 8 (1 pcs.)
System output	38W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	13 pieces/B10, 22 pieces/B16, 21 pieces/C10, 36 pieces/C16
Energy efficiency class/light source	D

LIGHTING TECHNOLOGY

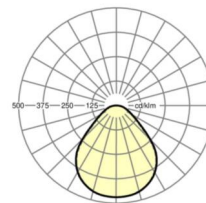
Placement	LED, Colour rendering/Light colour CRI \geq 90 / 2700K-6500K continuously adjustable
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	4550lm
LED service life	50000h L80/B10 (Tq 25°C)
Luminaire luminous efficiency	121lm/W
UGR lat./long.	18.4 / 18.2

MECHANICS

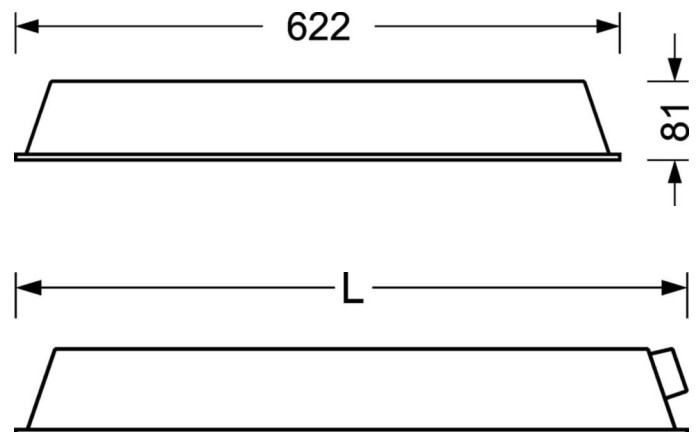
Housing colour	traffic white RAL 9016
Dimensions (LxWxDxH)	622mm x 622mm x 81mm
Depth	81mm
Ceiling system	Ceilings with visible T-rails [s-TS] (625x625 mm)
Installation depth	180mm [s-TS]; 180mm [s-TS] min
Weight (net)	4.5kg
Type of installation	Recessed mounting

DEEP-LINK

<https://www.regiolum.de/en/article/72205066950>



Reference	LED 4600lm 927-965
η_{LB}	100 %
$\Phi_{\downarrow/\uparrow}$	100 % / 0 %
UGR lat./long.	18.4 / 18.2
VDU	$65^\circ < 3000 \text{ cd/m}^2$



Dimensions

L	622 mm	Length
B	622 mm	Width
H	81 mm	Height
T	81 mm	Depth
Et(min)	180 mm	Ceiling distance minimum - minimum dimension (visible T-rail)
Et(TS)	180 mm	Ceiling distance minimum - recommended (visible T-rail)
MLTS1	625 mm	Module dimension length (visible T-rail)
MLTS_1/2	625	Module dimension length (visible T-rail) 1/2
MBTS1	625 mm	Module dimension width (visible T-rail)
MBTS_1/2	625	Module dimension width (visible T-rail) 1/2
